

WHAT IS CLAIMED IS:

1. A network-based design service system,
comprising:
design database server for storing a design
database containing information on parts/vendors,
5 information on sample circuits, and information on anti-
noise circuit and other design know-how that are
registered by a parts vendor in advance via a network;
designer terminal for a designer to search said
design database, determine design conditions
10 autonomously, and conduct the design of a device; and
account terminal for paying a royalty for
utilizing the design database from the bank account of
the designer to the bank account of the parts vendor
upon utilization of said design database.

2. The network-based design service system as set
forth in claim 1, wherein
said designer terminal searches said design
database on a WWW site, determines design conditions
5 autonomously, and conducts the design of a device.

3. The network-based design service system as set
forth in claim 1, wherein
said account terminal has a function for paying
an employment fee from the bank account of the parts

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5 vendor to the bank account of the designer upon
employment of a part by said designer.

4. The network-based design service system as set
forth in claim 1, comprising:

5 means for notifying a problem if a problem is
found in a sample circuit, etc., during the design
process for a device to other designer terminals being
used by other designers working on the devices related
to the device with said problem.

5. The network-based design service system as set
forth in claim 1, comprising:

5 means for the designer to conduct circuit design
for a device, and determine parts to employ autonomously
through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

6. The network-based design service system as set
forth in claim 1, comprising:

5 means for notifying a problem found in a sample
circuit, etc., during the design process for a device,
if any, to other designer terminals being used by other
designers working on the devices related to the device
with said problem; and

means for the designer to conduct circuit design

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for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

7. A network-based design method, comprising the steps of:

a parts vendor registering on a design database server various kinds of information, including information on parts/vendors, information on sample circuits, and information on anti-noise circuit and other design know-how, in advance via a network;

a designer searching said design database, determining design conditions autonomously, and conducting the design of a device; and

paying a royalty for utilizing the design database from the bank account of the designer to the bank account of the parts vendor upon utilization of said design database.

8. The network-based design method as set forth in claim 7, wherein

said design step searches said design database on a WWW site, determines design conditions autonomously, and conducts the design of a device.

9. The network-based design method as set forth in

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claim 7, further comprising the step of:

5 paying an employment fee from the bank account of
the parts vendor to the bank account of the designer
upon employment of a part by said designer.

10. The network-based design method as set forth in
claim 7, comprising the step of:

5 notifying a problem if a problem is found in a
sample circuit, etc., during the design process for a
device to other designer terminals being used by other
designers working on the devices related to the device
with said problem.

11. The network-based design method as set forth in
claim 7, comprising the step of:

5 the designer conducting circuit design for a
device, and determine parts to employ autonomously
through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

12. The network-based design method as set forth in
claim 7, comprising the steps of:

5 notifying a problem if a problem is found in a
sample circuit, etc., during the design process for a
device to other designer terminals being used by other
designers working on the devices related to the device

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with said problem; and

the designer conducting circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

13. A network-based design service system, comprising:

design database server for storing a design database containing information on parts/vendors, information on sample circuits, and information on anti-noise circuit and other design know-how that are registered by a parts vendor in advance via a network; and

designer terminal for a designer to search said design database, determine design conditions autonomously, and conduct the design of a device.

14. The network-based design service system as set forth in claim 13, wherein

said designer terminal searches said design database on a WWW site, determines design conditions autonomously, and conducts the design of a device.

15. The network-based design service system as set forth in claim 13, comprising:

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means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem.

16. The network-based design service system as set forth in claim 13, comprising:

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

17. The network-based design service system as set forth in claim 13, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem; and

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

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